

**METHOD AND APPARATUS FOR LAPAROSCOPIC
AORTIC REPAIR BY INTRAVASCULAR DEVICES**

ABSTRACT OF THE DISCLOSURE

Medical methods and apparatus for locating and securing intravascular devices, substantially grafts or stents-grafts, via a laparoscopic duct created by a surgical procedure to approach a blood vessel lumen. A stapler including a tubular body having at its distal end a head with a die and die lid and at its proximal end a control mechanism with a retaining handle and a control lever pivotally thereto. The lever is operatively connected via a spring-loaded pressure rod with a fastener located in the die. The movement of lever is transformed into radial forces necessary for punching through the wall of the intravascular device and the surrounding blood vessel wall with a fastener and simultaneously bending ends of the fastener apart. Securing the ends of the intravascular device to the wall of a blood vessel is performed via a set of at least two staplers, each having several simultaneously deliverable fasteners.